

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: "Robert J. Gobrick" <rgobrick@public.compuser.com>
Subject: [1482] "Four Days in May (c)" QRP Symposium: December 1995 Update
Message-ID: <199512171938.QAA18845@public.compuser.com>

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End-of-the-Year 1995 Newsbreak:

The first annual QRP Amateur Radio Club, International (QRP-ARCI) sponsored "Four Days in May (c)" QRP Symposium is shaping up to be the Top QRP event for 1996. From our first announcement in November 1995 the FDIM committee is happy to announce the following exciting updates:

1. EXCLUSIVE: The Four Days in May (c) Committee has secured exclusive rights for the premier of a new and exciting QRP Technical Book. We don't want to divulge more at this time but let it be said that this book will become a classic in the QRP community. To augment this book introduction we have booked a special Symposium presentation by the author and the sponsoring QRP club publisher. ALL "Four Days in May (c)" attendees will receive an autographed copy of the new book as part of their registration fee. Again, this offering is an exclusive to the QRP Symposium attendees.

2. QRP SYMPOSIUM PRESENTERS: Bruce Muscolino W6TOY/3, our FDIM Technical Paper Chairperson, has commitments in hand from seven dynamic and talented QRP presenters. You will not want to miss these presentations. Although the QRP Symposium Proceedings will be available for sale after the event there is nothing like the live presentation with the spirited question-and-answer period. The FDIM attendees will receive a special copy of the QRP Symposium Proceedings as part of their registration fee.

On a separate note, Bruce is still looking for additional authors and presenters to fill the roster. If you are unable to make a presentation but would like to have your paper considered for publication in the QRP Symposium Proceedings please contact Bruce at his email address: BRUCE3900@delphi.com. Author "kits" are now available from Bruce and will be mailed out to all potential authors.

3. LUNCHEON SPEAKER: Paulette Quick N9OHU, our FDIM Registration Chairperson has lined up a scrumptious luncheon for ALL QRP Symposium attendees. This will be a sit down affair complete with a surprise luncheon guest QRP speaker. We aim to fill each Symposium attendee with some QRP "food for thought". Once again, the luncheon is an exclusive for the FDIM attendees and the cost is included in the registration fee.

4. REGISTRATION FEE: Registration for the QRP Symposium will be \$30 if prepaid to Paulette N9OHU by May 1, 1996 and \$35 if paid after that date or at the door. We may have to limit May 16, 1995 at-the-door registration if

we are sold out of facilities. So please register early to guarantee a seat at this not-to-be-missed QRP event. Registration will cover a full day of QRP Symposium activities which include the QRP presentations, the exclusive autographed QRP Technical book, the QRP Symposium Proceedings, the scrumptious QRP luncheon and finally an endless QRO coffee pot.

Please send your \$30 (US cheque, money order) FDIM QRP Symposium Registration fee by May 1, 1995 to:

Paulette Quick, N90UH
FDIM registration
P.O. Box 145,
Madison, WI 53701-0145

plquick@facstaff.wisc.edu - email for information only
608) 263-9326 (work phone)- telephone for information only

5. HAPPY HOLIDAYS - on behalf of the "Four Days in May (c)" Committee and the QRP-ARCI we would like to wish all QRPers a happy and joyful holiday season and a prosperous New Year 1996. We hope to see you all in Dayton, Ohio on May 16, 1995.

73/72 Bob V01DRB/WA6ERB FDIM Public Relations Chairperson.

PS: It's probably now a good time to present your spouse and family with a nice holiday gift so they remember that you'll be away from them when the BIG event comes in May 16, 1995. Cheers!

Re-posting of the November 1995 announcement:

FOUR DAYS IN MAY (c) - The QRP Event of 1996

QRP Amateur Radio Club, International (QRP-ARCI) proudly announces the first annual QRP Symposium to be held on Thursday, May 16 1995 - the first day of four festive days of 1996 Dayton Hamvention QRP activities. Mark your calendars and get your hotel reservations in early for this not-to-be missed QRP event of the year.

Conference presentations, meetings and workshops on everything you wanted to know about amateur radio QRP will all be part of this full day Thursday event to be held at the Days Inn Dayton South (513-847-8422). QRP-ARCI Symposium attendees will start their day with a wake-up coffee social and then plunge into a morning of multimedia QRP presentations by renowned QRPers and QRP equipment manufacturers. A short break for a catered lunch and some special QRP door prizes and then back to an afternoon of more exciting QRP

technical presentations. And if that is not enough, then come join us for a Thursday evening of QRP break-out session tutorials. The 1996 QRP-ARCI Symposium will be the talk of the Dayton Hamvention.

QRP-ARCI continues the "Four Days in May" QRP extravaganza with nightly hospitality suite sessions, where QRP projects from around the world are displayed with a pride that only a QRP'er could appreciate. "Four Days in May" QRP-ARCI week culminates with the annual QRP-ARCI Friday Night Banquet honouring QRP dignitaries for their service to the amateur radio community.

Your 1996 QRP-ARCI "Four Days in May (c)" Symposium Committee:

Bob Gobrick V01DRB/WA6ERB, public relations chair
(rgobrick@public.compusult.nf.ca),

Bruce Muscolino W6TOY/3, technical paper chair
(BRUCE3900@delphi.com),

Paulette Quick, N9OUH, registration chair
(plquick@facstaff.wisc.edu); P.O. Box 145,
Madison, WI 53701-0145; (608) 263-9326 (work phone)

"Four Days in May (c)" - Call For Papers

Technical seminars will be the largest part of "Four Days in May (c)" - the first annual QRP-ARCI QRP Seminar. The seminars will consist of technical papers, written by QRP'ers for QRP'ers.

Papers will be both invited and submitted -- the only criteria for acceptance of a submitted paper is that the topic be of interest to QRP'ers and the author be able to deliver camera ready copy in time for publication prior to the event.

The following is a guide to topics for submitted papers:

Antennas -- Papers must describe practical, working antennas. There is wide-spread interest among QRP'ers antennas suitable for camping and backpacking, and hidden antennas suitable for use from apartments and condominiums. Of course antenna designs that offer above average performance at QRP power levels are always in demand.

Equipment Construction -- QRP'ers are avid builders. The skill level ranges from absolute beginners to highly skilled. Papers at almost any level are acceptable; however, special attention will be

given to papers covering "selection of a first project" and "testing, and troubleshooting finished projects". Product reviews will not be accepted unless they compare between two or more units of the same general performance specification. No papers written by manufacturers will be accepted.

Operating Activities -- QRPers are, of course, enthusiastic operators. Papers describing operation away from the home QTH -- whether a camping trip, a DXpedition, or just an afternoon at the local park are welcome. Papers describing operating techniques that enhance the chances of winning awards such as DXCC and WAS using QRP power levels are also welcome.

All accepted papers will be reprinted and distributed to conference attendees at registration. A bound volume of "Proceedings" is under consideration.

Authors who wish to have a paper considered for inclusion in the "Four Days in May (c)" technical sessions should submit a summary of their proposed paper to the technical coordinator no later than January 30, 1996. The summary should not exceed one double-spaced typewritten page. All summaries must be submitted by US Mail. Email submissions will not be accepted. Selection will be made not later than February 1, 1996.

Authors should plan their papers on a presentation period of 20 to 25 minutes with a 5 to 10 minute question and answer period following each paper. Authors will be responsible for providing their own slides or vue-graphs for illustration. Final, camera ready copy will be due not later than March 15, 1996.

Please send summaries to:
Bruce Muscolino W6TOY
PO Box 9333
Silver Spring, MD 20916-9333

Thanks and hope to see you all there - Bruce W6TOY

| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRP'er Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet: rgobrick@public.compuserve.nf.ca |
| bgobrick@terra.nlnet.nf.ca |
Compuserve: 70466.1405@compuserve.com

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: "Robert J. Gobrick" <rgobrick@public.compusult.nf.ca>
Subject: [1497] "Four Days in May (c)" Registration Fee Explained
Message-ID: <199512180218.WAA27586@public.compusult.nf.ca>

As a follow-up to the recent December 1995 Update posting of the QRP ARCI sponsored "Four Days in May (c)" QRP Symposium a few have asked what the \$30 Registration fee covers. Let me first say that the QRP Symposium is being sponsored by the QRP ARCI and the FDI Committee (Bob VO1DRB, Bruce W6TOY/3 and Paulette N9OHU) and is a not-for-profit function. We decided to put on the event because we wanted to help "showcase" QRP in a professional format like the way AMSAT, TAPR and ARRL does with their symposiums.

A registration fee needs to be charged to help defray the cost of hosting an event of this nature. Your \$30 (US) fee covers:

- Conference Room reservation for all day Thursday May 16, 1996 at the Days Inn South Dayton.
- Rental of audio/visual equipment
- Postage (anyone mail a few letters lately - not cheap), telephone calls, registration badges, etc to cover registration and conference room arrangements.
- Catered lunch (~ \$6) is included. We decided to have the lunch as part of the Symposium activities and book a luncheon speaker for entertainment. Additionally we will have the hotel provide an all-day coffee pot etc. for the attendees.
- One copy of the official "Four Days in May (c)" QRP Symposium Proceedings is included. The plan is to have the Proceedings of all the Presentations printed, bound and offered as a handout to the attendees. The price to the attendees will be at our cost and will be less than the general sales price at the QRP ARCI booth at the Dayton Hamvention (we are estimating about \$15 for the printing cost etc).
- One copy of a new QRP Technical Book (title too to be devulged next month) that will be announced and presented at the Symposium. We don't have the price from the publisher yet but we're assuming it to be around \$15+. Again the Symposium attendees will be receiving this new book at the publisher's cost and it will be autographed by the author (also to be announced next month) for the attendees.

We have decided NOT to break out these prices separately but instead to

offer an all inclusive packet of Symposium material (heck we may even throw in some pens etc) so everyone goes away with the feeling that they got their money's worth. Also this is the first time that this event is being hosted and we would like to make sure it is done first-class. Next year we will have a better handle on the what is really costs to run an event like this.

And finally, if there is any money left over after all the bills are paid then WE WILL refund to each attendee, at the time of registration, those funds. Again I need to state that the "Four Days in May (c)" QRP Symposium is a not-for-profit affair - we would just like all to have a first class QRP event that we can talk about in the years to come.

If anyone has any questions, please send private email to me and I'll be glad to answer them for you.

73/72 Bob V01DRB/WA6ERB "Four Days in May (c)" Public Relations Chairperson
(unpaid job - hi)

The following is the registration info repeated:

- REGISTRATION FEE: Registration for the QRP Symposium will be \$30 if prepaid to Paulette N9OHU by May 1, 1996 and \$35 if paid after that date or at the door. We may have to limit May 16, 1995 at-the-door registration if we are sold out of facilities. So please register early to guarantee a seat at this not-to-be-missed QRP event. Registration will cover a full day of QRP Symposium activities which include the QRP presentations, the exclusive autographed QRP Technical book, the QRP Symposium Proceedings, the scrumptious QRP luncheon and finally an endless QRO coffee pot.

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| Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
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| Internet: rgobrick@public.compuserve.nf.ca |
| bgobrick@terra.nlnet.nf.ca |
| Compuserve: 70466.1405@compuserve.com |

|-----|

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: Bensondj@aol.com
Subject: [1470] 40-40 help
Message-ID: <951217074204_74652980@mail04.mail.aol.com>

Hi Roy and Co. -

on December 16, 1995, Roy Boggs <rboggs@pcc-uky.campus.mci.net> wrote:

>>1.) In the SWL kit specs, L4 is specified as 10 uH (5T #22,FT37-43); my Autek RF Analyst says 5 turns is 12 uH. So I tried 4 turns and the Autek gave me 8uH. My question is , should I stay with the 5 turns NN1G specified although the inductance is too high, or in this part of circuit is the value not very critical?

It's non-critical. You might use the Autek to confirm turns count on the toroids, but other than that it's not really necessary except as a source of "Tolerance Anxiety". There's enough margin in all of the circuitry to account for normal component variations when the toroids are wound right.

73, Dave - NN1G

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: NTMail@destin.gulfnet.com
Subject: [1471] Ack: "testsend"
Message-ID: <199512171312.IAA52614@nss2.CC.Lehigh.EDU>

Your message headed:
Ack: "testsend"
has been delivered to bmilller@destin.gulfnet.com.

This receipt does not guarantee that the mail has been read.

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: NTMail@destin.gulfnet.com
Subject: [1472] Ack: "testsend"
Message-ID: <199512171312.IAA37511@nss2.CC.Lehigh.EDU>

Your message headed:

Ack: "testsend"

has been delivered to bmilller@destin.gulfnet.com.

This receipt does not guarantee that the mail has been read.

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995

From: Jeff Gold <JMG@tntech.edu>

Subject: [1481] Cascade-Help!, Notes :-)

Message-ID: <01HYWVS9HN929D4P4V@tntech.edu>

Howdi,

well got sucked in the time void in the ham shack. I got done with a lot of the kit.. got the 20 meter band built up.

First.. I didn't have all the silver mics for the 20 meter band pack.. so I used some NPOs. I think for the 82pf and maybe one other.. is this ok?

also.. Q12 calls for a J310.. would it effect anything to use a MF102

Q16 calls for a 2N7000, could I use a 2N2222 (and if so plastic or metal)

If i can't is there a small supplier that doesn't have a minimum.. or other equivalent transistors?

I received in one of the postings a comment that said that C39 and C11 needed to be reversed.. I didn't see this in the manual or in Doug's errata, and from the schematic, it appears you shouldn't have to.. I didn't and things appear to be working..but need to get the other 2 transistors for the PTT circuit.

When winding L2, L3, L4, L5: I noted I had to take off one or two windings on each to get to the stated inductance, as measured by my Autek.. which appears to be accurate so far.

Now the notes.. plugged the 20 meter module in and fired up the rig with the antenna on.. couldn't really hear anything.. then I put a small metal screwdriver to C2 to adjust as manual stated.. signal came in loud and clear.. took the module out and checked C2 and C1 and they were in good.. did it again.. same thing. Then I looked at the bottom of the board and couldn't find where the signal would get from the antenna to the board.. so I put a jumper

in and low and behold.. I have a receiver.

Not only do I have a receiver..but it appears to work GREAT.
didn't have to retune the BFO.. the audio is very loud and clear
with a great tone. I am using a small and old Icom 2 meter mike
off my old 02AT. Boy do I love to listen to the receiver.

Well can't wait to see if the rest works out.

thanks in advance for any help.

73

Jeff, AC4HF

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [1489] email and qrp-1
Message-ID: <199512172109.VAA23759@chuck.dallas.sgi.com>

Gang,

It has been brought to my attention that there is a problem
with this group.

With the large number of people who aren't paying attention
and believing that they have the "right" to reproduce the
postings when they reply -- the Internet mailers, some of which
restrict the length of mail, are flushing the daily digest.
This is caused by it's getting to be extremely large, in some
instances 30K+ for one day's worth.

So, as a courtesy to all of those subscribers and the rest of
the group, please do not reproduce previous postings. Just
refer to the author and topic only. We can go back and look
at the details if necessary and contrary to what people think
about aging, the memory still works. :-)

Thanks for your cooperation and courtesy. We'll all be better
off for it.

dit dit

P.S. This is not a policing action, just a friendly note to all.

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [1486] Explorer II 30M
Message-ID: <199512172026.UAA23688@chuck.dallas.sgi.com>

My box arrived yesterday a.m. (Saturday) and in between other things that had piled up last two weeks I did manage to get it built. Time of completion 1515Z Dec 17, 1995.

All parts matched and only one problem in instructions. On page 14 in the last paragraph. You wanna set oscillator for 3600KHz on the low end and 3650KHz for the high end. This will match the schematic diagram. This evidently slipped by the editors of the manual. Start with the core of L9 about 1/8" above the top of the IF can. This will speed things up. At least that is where mine wound up.

In the middle of thunderboomers here in TX (go figure) so won't be doing too much operating today. I'll trade one large thunderboomer for a good snow storm anyday. :-)

Review form to follow in a day or two after comparing with Explorer I on 30M.

dit dit

Another beautiful kit for OHR.

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: stan@cruzio.com
Subject: [1467] FW: norcal output filter
Message-ID: <Chameleon.951216172303.stan@stan.cruzio.com>

Thanks to Doug , ki6ds and Dave w6emd, for confirming that

there are a lot of t 37-2 cores that are out of spec.

Probably a good idea to measure all your toroids before installing them from now on.

I'm still going to try and get those toroids closer to the correct 1.3uh and I will post the final results when I get a chance to put it on the spectrum analyzer.

(chuck, the varactor diodes to put in the variable filter mod are in the mail .)

Stan , N6ULU

E-mail: stan@cruzio.com
From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [1488] Jan QST
Message-ID: <199512172104.VAA23741@chuck.dallas.sgi.com>

Gang,

What with all the flak last week about the ATU article I think that some important information was missed, which should have taken precedence over the uproar over something that if you don't like take it in writing to the ARRL not qrp-1. Go back and look at pages 9 and 104 for QRP related important info.

Wayne Burdick brought up the frequency listings and "Considerate Operator's Frequency Guide" on page 104, and I assume that everyone here reads QST. What is important is that the QRP "calling freqs" were listed. Note, these are recommended freqs that server as "watering holes" where QRPers may start out in search of intelligent life forms on this planet.

Two important things.

1. If the rest of the majority of the ham community reads this, then we should have some visibility, i.e. people will know where we like to hang out. Maybe others who don't belong to any QRP group, just starting out or getting an interest in QRP work, and others wanting to see what we are all about can have a starting point at these freqs.

2. NOTE: For example data communications recommended between 7.080-7.100MHz on 40M and 10.130MHz-10.140MHz on 30M and 14.070-14.095MHz on 20M. Let's all live with this and spread the word. This will give us some "breathing" room to move around from the calling freqs when they are in use. We don't "own" them, they are on loan to everyone.

One of the biggest complaints during the QRP ARCI QSO parties is the problem we face on 20M with the CHC (County Hunters Net) on 14.0555MHz and the digital stuff on 14.060MHz and above causing us severe problems. Hopefully through education of the community at large and adaption to the plan we will all be able to use the finite spectrum effeciently and minimize (note, I did not say eliminate) interference and QRM.

Wayne wants a recommendation for freqs on 18MHz.

18.068-18.100 is CW
18.100-18.110 is Data/CW
18.110-18.168 is Phone/CW

Looking at the QRP freqs on the other bands and the most used digits I'd suggest and it only a suggestion that

18.076MHz be used for CW (the 6 to match the 6 on all but 40M)
18.158MHz for Phone (transposition of the 8 and 5 from the others).

I don't what putting phone at the high end of the band does.
I don't know if usage has caused the DXers to "hunt" the low or high end of the band.

My recommendation, which I do all the time, is to pick the frequency that is clear in that part of the band YOU wanna work in. My \$0.02 worth.

Now I'll go back into the hole from whence I came.

dit dit
QRP-L #1
:-)

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-l@lehigh.edu Sun Dec 17 21:09:49 1995

From: philkeys@olympus.net (Phil Keys)
Subject: [1476] Kit building accuracy
Message-ID: <v01510100acf9e2d8b2c2@[198.133.237.46]>

Roy Boggs asked about the accuracy required when winding toroids for a 40-40. I am in the final stages of building a Cascade, my first transceiver kit. I too had questions about how accurate toroid values and oscillator setting should be. I also measured the toroids with an Autek RF-1 and had to take off several turns on many of them. The output stage RF transformers had a specified uH value but I only got half of that on each winding. I didn't change the winding count for any of the toroid transformers.

In future kit instructions, it would be useful for us neophytes to know which toroids and frequency settings should be highly accurate (+/- 10% or less?) and which may be less accurate (+/- 30%?).

Also since the RF-1 is an RF bridge, the L and C values change with frequency. I measured L and C at the frequency of use. Some capacitors had a wide tolerance (+/- 50%) but I used them anyway.

philkeys@pt.olympus.net (Phil Keys) KJ7ET Jeff Co Search & Rescue
Software Consultant - specializing in software safety & SQA
Port Hadlock, WA 98339 (360) 379-8650 122 44.0W 48 02.0N

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: km@PACT.ORG.PE (Kris Merschrod)
Subject: [1469] MICE & KEYS
Message-ID: <m0tRIQX-0000CVC@rcp.net.pe>

Solid advise in all comments -- yes it is just the set of micro switches that you use. Mine was a microsoft, has nice feeling and top quality switches.

As to Hank's moving to forward and back for speed control -- a friend was impressed that I trained mine mouse to do SSB CQing. I finally had to confessed that I was a ventriloquist :>{)

A mouse takes some getting used to because it is light weight; the keys and paddles philosophy is to use a heavy base or bolt the thing down!

Kris

0A4DB0

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: AC6JA@aol.com
Subject: [1478] new qrp subscriber
Message-ID: <951217111240_92618891@emout05.mail.aol.com>

hello to all. name here is mike (ac6ja) from foster city, ca. i am fairly new to qrp and run a kenwood ts-450sat turned down to 5w. also have an index labs qrp plus and the mfj-9420 ssb/cw qrp rig with tuner and power supply. i have had a lot of fun with the mfj rig at home and while mobiling. have also used it bicycle mobile with a 2.5 amp gel-cell and a hamstick on the rear luggage rack. would just like to let all the qrp members know that the recommed power pack ac/dc power supply model 4114 doesn't work well with the 9420 radio. turns out that mfj mistakenly recommends using the 4114 with the 9420. the problem is the internal ac supply isn't rated for the higher rf output of the 9420 as compared to the other 90xx series qrp rigs. the higher current draw of the 9420 will start to cause the output voltage of the power supply to drop and the rig will start to chirp and drift in cw. just thought i'd pass this on. am listening on 14.060 +/-, hope to work someone soon. using an attic mounted 20m dipole due to local antenna restrictions.
72's/73's

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: Raymond Sommers <rsommers@worf.uwsp.edu>
Subject: [1495] owl mascot? ZQ ZQ
Message-ID: <Pine.BSI.3.91.951217192218.1038A-100000@worf.uwsp.edu>

```
  (o o)  (o o)
 (  V  ) (  V  )
/--m-m- /--m-m-
```

Was out walking near our woods and heard an owl sending
whoooo whoooo who who whoooo whoooo who whoooo
dah dah dit dit dah dah dit dah
M I M A
MIMA ?
no Z Q
He had the spacing a bit off but there he was sending ZQ ZQ

Just listen the next time you an owl its ZQ ZQ ZQ and no
one seems to answer. :-)

I I I' (/ I' I' /'
 I/\ I I) / the I ,ittle I \ ilowatt \ , uster (Wisc.)
 ~ ~ ~ ' ~ ~ ~ ~ ~ from ~
 Ray Sommers, WB9LKC QRP-L #8-)
 rsommers@worf.uwsp.edu

From qrp-l@lehigh.edu Sun Dec 17 21:09:49 1995
 From: burdick@interval.com (Wayne Burdick)
 Subject: [1468] QRP freq. on 17m? New one on 30m?
 Message-ID: <199512170737.XAA11188@interval.interval.com>

The January QST includes on page 104 a new list of frequencies for "The Considerate Operator" which includes QRP calling frequencies for every HF band EXCEPT 17 meters.

Was it my imagination, or was there some discussion of a 17m QRP calling frequency on this list or in a QRP journal recently? Or was it discussion about a 30m QRP calling frequency other than 10.106?

Please set me straight on both if you have the info. I scanned a couple of weeks' worth of QRP-L archives and nearly went blind.

73,
 Wayne
 N6KR

P.S. If there aren't recognized 17m calling frequencies for CW/SSB yet, let's pick some. :)

From qrp-l@lehigh.edu Sun Dec 17 21:09:49 1995
 From: ae4ic@nr.infi.net (BOB KELLOGG)
 Subject: [1494] qrp kits
 Message-ID: <199512180036.TAA20900@moe.infi.net>

Gang,

As most of you know, there is a small group of guys in the North Carolina area who are working to promote QRP activities.

One activity that we enjoy is building our own equipment. With that in mind, I've agreed to coordinate the development of some kits which would be made available to the QRP community.

The purpose would be to provide the materials for building specific items with the cost savings of group purchasing of the parts. A second purpose, of course is to enjoy the pleasure of building something at the same time as other hams, exchanging experiences and ideas.

At this time, we are thinking of a small 80M transmitter to encourage more participation in the 80 Meter QRP Net which meets Sunday nights (tonight) at 10 pm @ 3560. (just a little plug, there) Maybe crystal controlled with a vxo circuit (or not) that could be built by a novice. The design would have to be reliable enough that 95% of the kits would work first time without trouble shooting. (?) One or two watts maximum output, adjustable for the microwatt guys. Inexpensive.

I have two questions for the whole group:

1. What designs or gadgets would you like to be able to buy in kit form? Include construction projects from some of the many QRP books, if you like.

NOTE: Many of the QRP book designs are already available from 624 Kits, Kanga Products, Oak Hills Research and others, and I would not want to compete with them. (I might work with them on a volume purchase deal) We are looking for designs that are not currently available, however.

2. Have you designed, or would you design a simple QRP transmitter, receiver or accessory that you would be willing to share with the group?

Please reply directly to me.

Thanks and 73,
Bob Kellogg, AE4IC

From qrp-l@lehigh.edu Sun Dec 17 21:09:49 1995
From: ae4ic@nr.infi.net (BOB KELLOGG)
Subject: [1484] Sierra Help!
Message-ID: <199512172022.PAA27049@moe.infi.net>

Gang,

HELP! I've done it. I screwed up my Sierra and can't figure out how to fix it. Symptoms are: The transmit signal is way too loud in my earphones and is

apparently swamping something. When it shifts to receive, it takes about 5 seconds for the receiver to recover full volume.

This happened when I was experimenting with getting a little more drive from the oscillators. I changed C39 from 270pf to 39pf (by mistake, I meant to change C69, 68pf to 39pf). (read twice, solder once)

I've increased the power output some, but it's still averaging about 2 watts over all of the bands. When the wrong capacitor was in place I got over 4 watts, but, alas, it was all garbage. That's when I checked and found the error.

I've measured all of the voltages, and some are not right, but I can't figure out why.

(A) The base of Q1 and Q2, the switching transistors have abt .02 volts during receive, and there should be none. During transmit, the Q1 and Q2 base voltages read - 3.5 to -4.0 volts. (should be abt .7V)

(B) Pins 1,2 and 3 of U1 go to 5.45V on transmit (about a volt too high). When the key is released, it takes them 5 seconds or so to settle down to their recv value.

(C) Pin 5 of U5 (the AVC line) rises from 3.75V on receive to 4.15V on transmit (should be 6.7 on transmit)

If anyone can make sense out of this, I sure would appreciate some direction. -- A line of reasoning to check. Right now, I can't figure out which is the cause and which is the effect.

Thanks for your help.

Bob Kellogg, AE4IC

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995

From: Dale Hall <102603.30@compuserve.com>

Subject: [1492] Ten Tec AC4

Message-ID: <951217231935_102603.30_HHU38-2@CompuServe.COM>

I have a friend, KA5QYR, John, in Texas who is looking for a Ten Tec AC4 SWR meter. He does not have a computer so you will need to call him on the phone or email me direct. His phone number is 915-282-2329. I have a QSO with him (QRP) on Sundays if you want to talk to him. It is at 7045 khz at 2000 UTC.

John is QRO but he turns down the power and is getting more and more interested in QRP. He has been looking for a computer. When I told him about the QRP-List he REALLY wanted to get online. So he is looking even harder for a computer. We may have a new member soon, if he can find a computer he can afford.

I hope he will find out the advantage it is to be in contact with a large group of hams interested in the same thing he is, and get results on problems, ideas, equipment, etc., as easily as I have.

de Dale KB0WZ 148

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: mykey@aztec.asu.edu (MICHAEL C. TODD)
Subject: [1496] thanks
Message-ID: <9512180213.AA28050@aztec.asu.edu>

To all who responded to my FOX question; Thanks. I was suprised by the quick, friendly and complete answers. It is appreciated.

Mike W9UQB

--

[B[C

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: Ed DeBuvitz <edeb@indirect.com>
Subject: [1493] Tnx reverse polarity
Message-ID: <Pine.BSD/.3.91.951217172656.27435B-100000@bud.indirect.com>

Thanks to all who replied with suggestions on how to repair the damage to my HW 9. I accidently reversed polarity on the power supply and thought I had done some damage but...Y0...when I opened the box I found the builder had installed a fuse and diode protection. I replaced the fuse and all is very well. No need to replace all those transisters.

Ed W5TTE

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [1483] Re: 40-40 help
Message-ID: <199512172011.UAA23641@chuck.dallas.sgi.com>

Wow Gang,

No wonder I was having troubles. Dave, NN1G, says to wind the toroids right. If I look in the direction that I'm winding from inside the coil (which is hard to do), I've been winding my coils "left", i.e. left handed turns.

But after winding a few hundred of these puppies I don't think that I'll go back and redo them. :-)

Before the humor impaired (sp?) come unglued, it physically doesn't make a difference for single winding coils. :-)

Cathy Witzke has the world record for most number of toroids wound this year. :-)

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-l@lehigh.edu Sun Dec 17 21:09:49 1995
From: "Robert J. Gobrick" <rgobrick@public.compusult.nf.ca>
Subject: [1491] Re: 40-40 help
Message-ID: <199512172225.SAA22797@public.compusult.nf.ca>

Chuck and QRP-L gang,

Do you mean to say that Cathy Witzke of Oak Hills Research winds all those toroids that come in the pre-wound toroids that are a legendary part of the OHR kit line?

How does she do it?? Those toroids look so professionally done - nice spacing, insulation cleaned of the ends and pre-tinned connections - WE need to know her secret. Any insight into how she does it?

73/72 Bob V01DRB/WA6ERB

cc: OHR

At 15:13 12/17/95 EST, you wrote:

>

>

>Cathy Witzke has the world record for most number of toroids
>wound this year. :-)
>
>dit dit
>--
>Chuck Adams (K5FO CP-60) adams@sgi.com
>Box 181150, Dallas, TX 75218-8150
>
>

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| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRPPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet:      rgobrick@public.compusult.nf.ca |
|                bgobrick@terra.nl.net.nf.ca |
| Compuserve:   70466.1405@compuserve.com |
|-----
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From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: "David D. Meacham" <ddm@datatamers.com>
Subject: [1487] Re: Getting the SWR down?
Message-ID: <Pine.LNX.3.91.951217120744.14782D-100000@dt1.datatamers.com>

Dave,
Change the length of your feed line.
72, Dave, W6EMD

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: kd7s@valleynet.com (Bill Jones)
Subject: [1465] Re: Help needed - SWL40-40 es Autek RF Analyst
Message-ID: <199512170338.TAA23078@sierra.valleynet.com>

>1.) In the SWL kit specs, L4 is specified as 10 uH (5T #22,FT37-43); my
>Autek RF Analyst says 5 turns is 12 uH. So I tried 4 turns and the Autek
>gave me 8uH. My question is , should I stay with the 5 turns NN1G specified
>although the inductance is too high, or in this part of circuit is the value
>not very critical? Can't check the rest of my inductors because:
>

If 5 turns is too much and 4 turns is too few, try using 5 turns but
spreading them out over the perimeter of the core as much as possible. If
that doesn't work, go to 4 turns but compress them. One way or the other,

you should be able to get to 10 uH.

>2.) this morning I turned on the Autek, and the display dimmed very low as
>if battery was very low, then finally crapped out; a new battery did not
>bring it back-won't display at all now. Only used it a dozen times es has
>not been dropped or anything. Has anyone else had this problem? I'm not sure
>if warranty is up or not...
>

I had a problem with my RF-1 in that I couldn't change modes no matter how many times I pushed the buttons. I finally sent it back and it was returned but I'm not sure the problem is fixed completely. Before you give up and send it back, make ABSOLUTELY sure the replacement battery is good. It may have come fresh from a blister pack but could still be dead. Check it.

=====
Bill Jones - KD7S <><
QRP-L Member #85
Sanger, California
Reply to kd7s@valleynet.com
=====

From qrp-l@lehigh.edu Sun Dec 17 21:09:49 1995
From: JessQRP@aol.com
Subject: [1475] Re: Help needed - SWL40-40 es Autek RF Analyst
Message-ID: <951217094929_74678749@mail06.mail.aol.com>

I would not depend on the number of turns alone to determine the inductance. I found that when I was building the Cascade that the spacing was also very critical to the value. I found that if I got the inductance close that by squishing and expanding the spacing on the turns on the coils that I could get the value very close. I have built several of the SW-XX series kits and the toroid values are not all that critical except for L1 the tuning coil. I have found that there is enough "slop" in the tuning of the circuits that the coil values need not be that close.

As far as the Autek goes, just give them a call. I had a small problem with mine and they were more than responsive. I think that for the moeny it is one of the best peices of gear out there and as important if not more so than a scope or freq counter.

Best
Jess

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: Ptcandy@aol.com
Subject: [1477] Re: HW-9 Scouting Report
Message-ID: <951217110850_92617024@emout05.mail.aol.com>

\$150 for an HW9 with WARC bands is a steal!!!

Good Luck
Peter N2KPY

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: JCoote@aol.com
Subject: [1474] Re: Inverted V Advice
Message-ID: <951217092235_92575061@mail04.mail.aol.com>

In a message dated 95-12-16 01:34:44 EST, kj7dn@primenet.com (Steve Thompson) writes:

>Hi:
>Having difficulty making my first solo QRP contact, so I would like to try
>using an antenna which puts more wire in the air. I'd like to put my
>G5RV up in the inverted V configuration.

The resonant points on your G5RV *may* change a little. No problem if you are using a tuner. It's worth a try. It might be interesting to check the resonance of a G5RV in both configurations (vee and flat-top).

>The Handbook says that the Inverted V will behave much like a horizontal
>dipole if the apex angle is ≥ 100 degrees. What I cannot figure out is
>this: What would be the smallest apex angle I could use and still
>produce an effective signal? What would be the smallest practical apex
>angle?

Most inverted vee texts suggest keeping the angle 90 degrees or higher. Below 90 degrees you'll get less efficiency. One article said something about "signal cancellation"... same thing.

Vees and dipoles in typical amateur installations (20-40 feet up, on a small lot) will perform in a similar manner. There are many objects close to the antenna (conduits, wiring) as well as being close to ground. Either antenna will have some high-angle component and the vee may have some vertical polarization and groundwave component. You won't get a pure textbook radiation pattern from either antenna unless you have a large, empty lot and a tall mast, so don't worry too much about pattern.

73, Jay

WB6AAM

From qrp-l@lehigh.edu Sun Dec 17 21:09:49 1995
From: "Robert J. Gobrick" <rgobrick@public.compuserve.com>
Subject: [1490] Re: Jan QST
Message-ID: <199512172225.SAA22804@public.compuserve.com>

Chuck and QRP-L Gang,

We need to recognize some other events that are occurring in the background that I'm sure has helped QST take an interest in QRP activity.

With the great work of the Colorado QRP Club they recently recruited Walt Stinson W0CP, the Rocky Mountain Vice Director into their ranks. Walt's an avid DXer and DXpeditioner and the word I hear is he recently bought an Index Lab QRP+ and has taken a keen interest in QRP. I believe Walt and the Colorado QRP Club need some recognition for helping pave the way for ARRL publishing the QRP frequencies.

73/72 Bob V01DRB/WA6ERB

At 16:04 12/17/95 EST, you wrote:

>

>Gang,

>

>1. If the rest of the majority of the ham community reads this, then
>we should have some visibility, i.e. people will know where we like to
>hang out. Maybe others who don't belong to any QRP group, just starting
>out or getting an interest in QRP work, and others wanting to see what
>we are all about can have a starting point at these freqs.

>Chuck Adams (K5FO CP-60) adams@sgi.com

>Box 181150, Dallas, TX 75218-8150

>

>

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| Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRP'er Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet:      rgobrick@public.compuserve.com                 |
|                bgobrick@terra.nlnet.nf.ca                    |
| Compuserve:   70466.1405@compuserve.com                       |
|-----
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From qrp-l@lehigh.edu Sun Dec 17 21:09:49 1995
From: kd7s@valleynet.com (Bill Jones)
Subject: [1466] Re: Mice and keys
Message-ID: <199512170346.TAA23393@sierra.valleynet.com>

>Say what? Velcro? No wonder I was having a hard time using a mouse with
>the keyer....I set it up so that when you move the mouse forward, the speed
>goes up....Backward, the speed goes down....to the left, the weighting goes
>up....and to the right it goes down.....

>

Hank,

Now I know why some CW sounds the way it does. Thanks for the update. Now,
back to my VR headgear.

=====
Bill Jones - KD7S <><
QRP-L Member #85
Sanger, California
Reply to kd7s@valleynet.com
=====

From qrp-l@lehigh.edu Sun Dec 17 21:09:49 1995
From: tdrumm@sparc.isl.net (Tony Drumm)
Subject: [1480] Re: Mice and keys
Message-ID: <199512171728.LAA15340@sparc.isl.net>

>I sympathize with you on keys/paddles in the woods. That's
>why I built the TenTecKit keyer (about an inch square) into
>one of those cast aluminum boxes with some thick plexiglass,

Is the TenTecKit keyer iambic? What's the cost? Anyone else
have a suggestion for the actual keyer? Iambic, inexpensive,
and small would be good? What's the best place to get the
Curtis?

Tony Drumm
internet: tdrumm@sparc.isl.net
Packet: aa0sm@wd0gnk.#semn.mn.usa.na

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: KJ7H0@gnn.com (Duane Anderson)
Subject: [1485] Re: Mice and keys and Homebrew Keyers
Message-ID: <199512172025.PAA32118@mail-e1b.gnn.com>

>>I sympathize with you on keys/paddles in the woods. That's
>>why I built the TenTecKit keyer (about an inch square) into
>>one of those cast aluminum boxes with some thick plexiglass,
>
>Is the TenTecKit keyer iambic? What's the cost? Anyone else
>have a suggestion for the actual keyer? Iambic, inexpensive,
>and small would be good? What's the best place to get the
>Curtis?

I will have to tell you about the keyer I just finished making.
Since this thread has started, I have been wanting to interject
this but didn't find a good spot to do until this question above.
I put together OHR's little keyer kit (CAT#KEY1...\$39.95) which has
the Curtis 8044ABM IC. After assembling this little circuit board
(about 2" X 1.75"), I needed a convient box to put it into to be
able to use it on any radio. I have a TenTec Model 607 Keyer
Paddle weighted box that I had been using the way it was designed,
as a paddle only. I opened the box and found nothing, a lot of
wasted space with only the paddle mechanism sticking out the front
of the box and a shielded cord running thru the box and out the
back. I mounted the OHR keyer board inside using aluminum spacers.
I removed the shielded cord from the paddles and resoldered it into
the output to the transmitter spot on the board. Then changed the
stereo plug on the end of the cord for a mono one. I used plain
hook-up wire to run from the paddles to the dot and dash spots on
the board. Along with the kit come a 500K pot, spdt switch which I
mounted on the outside and rear of the box for speed control and
tune/operate switch and wired into the board as per original design
of the kit. For power instead of using a 12VDC input from a normal
transmitter, I installed a 9VDC battery. There is a 5V regulator
on the board to take 12 volts down to 5 anyway so 9V battery will
work to supply power, but you need to add a switch to turn on/off
the voltage to the board that the kit does not supply.
The result is a keyer paddle box with a resident keyer circuit
inside utilizing the empty space useable on any transmitter key
input with Iambic A or B mode (your choice) and self-completing,
jam-proof dots and dashes with onboard weighting adjustment.
Thanks for listening to this....I'm rather proud of the idea and
accomplishment of the idea to a working model.

72/73,
Duane, KJ7HO
WIMU96 Chairman
QRP-L #164
ARCI #9033

From qrp-l@lehigh.edu Sun Dec 17 21:09:49 1995
From: aa7qy@primenet.com (Roger Hightower)
Subject: [1498] Re: Mice and keys and Homebrew Keyers
Message-ID: <199512180230.TAA12174@usr2.primenet.com>

At 03:28 PM 12/17/95 EST, Duane Anderson wrote:

>
>
>>>I sympathize with you on keys/paddles in the woods. That's
>>>why I built the TenTecKit keyer (about an inch square) into
>>>one of those cast aluminum boxes with some thick plexiglass,
>>
>>Is the TenTecKit keyer iambic? What's the cost? Anyone else
>>have a suggestion for the actual keyer? Iambic, inexpensive,
>>and small would be good? What's the best place to get the
>>Curtis?

>From the T-Kit Catalogue: "While not designed for iambic operation,
the price and reliability make the 1553 a very nice introduction to
electronic CW keying."

It does have speed control, weight control and sidetone pitch control.
No enclosure, and only twelve bux.

72/73, de Roger

--

Roger Hightower, AA7QY Mesa, AZ (DM43CJ) aa7qy@primenet.com
QRP-L #62 NE-QRP 383 NorCal 1099 CQC 176 QRP-ARCI 8946 G-QRP 9081

From qrp-l@lehigh.edu Sun Dec 17 21:09:49 1995
From: n2mnn@openix.com (STEVEN PITUCH)
Subject: [1473] RE:Mice,Keyers,(and Speaker Mikes)
Message-ID: <199512171323.IAA17682@pantera.openix.com>

Tony and the group,

The Mice-Keyer thread reminds me of the time I wanted to build a speaker mike and could not find a nice palm sized case. One time while thinking hard to find a solution I actually caught myself staring at my mouse while in front of the PC! I finally put 2 + 2 together and made a nice speaker mike from a broken mouse and an electret element from radio shack (270-090, \$1.99), and their little speaker (40-245, \$2.99). This is a very nice mike element with a flat response from 20 Hz to 10KHz. I've used them for HF and VHF rigs with no problem. They're rated at 1K output impedance and have a lot of gain to the low impedance mic input to my TS-850. A little high pass shaping is all that is needed to make them sound like an expensive Yacomwood or Heil mike. The monitor on the TS-850 is good for hearing the difference. Since then I've built a half dozen of them. If your lucky, the mouse will have a shielded multiwire line that can be reused.

I thought that this might be of interest to the new Cascade, and QRP + owners as this element should be adaptable to any rig.

Tony, how about those optical keyers that were written up in QST where you tapped your finger between a light beam?

73,
Steve Pituch N2MNN
N2MNN@OPENIX.COM

From qrp-1@lehigh.edu Sun Dec 17 21:09:49 1995
From: tdrumm@sparc.isl.net (Tony Drumm)
Subject: [1479] RE:Mice,Keyers,(and Speaker Mikes)
Message-ID: <199512171727.LAA15327@sparc.isl.net>

>in front of the PC! I finally put 2 + 2 together and made a nice speaker
>mike from a broken mouse and an electret element from radio shack (270-090,
>\$1.99), and their little speaker (40-245, \$2.99). This is a very nice mike

Interesting idea, Steve. The obvious image it brings to mind is
Scotty in Star Trek IV. "Computer!" (talking into a Mac mouse).

>Tony, how about those optical keyers that were written up in QST where you
>tapped your finger between a light beam?

Haven't seen that one. Interesting.

I have looked at my old mouse and it's fairly large so should be plenty

of room for adding the keyer circuit. There are three buttons, the left one being "dead" but the middle and right buttons should work OK. I played with it briefly to see if I thought I could adjust to it and I think I can. Do folks use their thumb and forefinger like with paddles? That seemed most natural to me. Of course, I still have enough trouble getting the keying right with the Bencher. Need more practice. I learned code in 1971 using a manual key. When I got back into radio and on HF about a year ago, I started with that same key. Got the Bencher and built the Super CMOS II in the summer and I'm still goofing up occassionally! Not enough practice, I guess. BTW, sometimes I hear really awful sounding code that sounds like it has to be a keyer. Do some folks work to make their keyer sound as bad as their fist? ('course keyers don't help you keep your letters separate!)

Tony Drumm

internet: tdrumm@sparc.isl.net

Packet: aa0sm@wd0gnk.#semn.mn.usa.na